



**SLOVENSKI STANDARD**  
**SIST EN ISO 21183-1:2007**

**01-april-2007**

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Light conveyor belts - Part 1: Principal characteristics and applications (ISO 21183-1:2005)

Leichte Fördergurte - Teil 1: Grundeigenschaften und Anwendungen (ISO 21183-1:2005)

Courroies transporteuses légères - Partie 1: Caractéristiques et applications principales (ISO 21183-1:2005)

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Ta slovenski standard je istoveten z: **EN ISO 21183-1:2006**

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**ICS:**

53.040.20      Deli za transporterje      Components for conveyors

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English Version

Light conveyor belts - Part 1: Principal characteristics and applications (ISO 21183-1:2005)

Courroies transporteuses légères - Partie 1:  
Caractéristiques et applications principales (ISO 21183-1:2005)

Leichte Fördergurte - Teil 1: Grundeigenschaften und Anwendungen (ISO 21183-1:2005)

This European Standard was approved by CEN on 21 October 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

## Foreword

The text of ISO 21183-1:2005 has been prepared by Technical Committee ISO/TC 41 "Pulleys and belts (including veebelts)" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 21183-1:2006 by Technical Committee CEN/TC 188 "Conveyor belts", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2007, and conflicting national standards shall be withdrawn at the latest by May 2007.

This document supersedes EN 873:1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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Endorsement notice  
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The text of ISO 21183-1:2005 has been approved by CEN as EN ISO 21183-1:2006 without any modifications.

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**Light conveyor belts —**

**Part 1:**

**Principal characteristics and applications**

*Courroies transporteuses légères —*

*Partie 1: Caractéristiques et applications principales*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 21183-1 was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 3, *Conveyor belts*.

This part of ISO 21183 is based on EN 873:1996, prepared by CEN/TC 188.

ISO 21183 consists of the following parts, under the general title *Light conveyor belts*:

- *Part 1: Principal characteristics and applications* SIST EN ISO 21183-1:2007  
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- *Part 2: List of equivalent terms*

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# Light conveyor belts —

## Part 1: Principal characteristics and applications

### 1 Scope

This part of ISO 21183 describes the principal characteristics and applications of light conveyor belts. This description is necessary either for limiting the validity of certain standards to light conveyor belts or for excluding light conveyor belts from the validity of certain standards.

### 2 Description

#### 2.1 Applications

##### 2.1.1 General applications

Light conveyor belts are predominantly used for the indoor transport of unit loads (for example, parcels, boxes, cans, containers, luggage, industrial goods of all kinds and foodstuffs).

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In many cases, light conveyor belts are incorporated into a machine as an integral machine element. They are then called machine belts (also known as machine tapes). In that function, they perform either just as a conveying element that additionally participates in a manufacturing action or in a manufacturing process. In such applications, machine belts sometimes get special names.

**EXAMPLE 1** Machines using machine belts with a pure conveying function: paper processing machinery (printing, cutting, etc.), letter sorting/cancelling machines, ticket vending/defacing automats, packaging machines.

**EXAMPLE 2** Machines using machine belts participating in a manufacturing action or in a manufacturing process: newspaper folding machines, processing machinery for dough, chocolate and sweets, special processing machines for paper and plastic foil, cigarette manufacturing machines.

**EXAMPLE 3** Machine belts with special names:

- folder-gluer belts, tube-winder belts, printing blankets;
- processing belts in drying, coating, particle board manufacturing and other uses.

##### 2.1.2 Other applications

Bulk foods conveying with light conveyor belts can be found in the chemical, pharmaceutical, cosmetic, food, agricultural, wood and tobacco industry. However they are almost always in indoor applications or outdoors under cover.

**EXAMPLE** Granular or powdered materials, corn, rice, fruits, vegetables, wood chips, tobacco.

Outdoor applications of light conveyor belts are seldom encountered but are increasing — for example, agricultural equipment, particularly some harvesting machines.